The Dynatest 6875 Runway Friction Tester (RFT) is designed to measure runway friction characteristics for both pavement maintenance and operational purposes. Pavement maintenance to address runway friction concerns may be required due to rubber contamination or weathering of the pavement surface. Operational friction testing is performed to ensure adequate friction to land aircraft and may be performed during heavy rain, ice, slush, or snow as allowed by FAA regulations.
COMPLIANCE WITH INDUSTRY STANDARDS
Advisory Circular 150/5200-30D
FAA Advisory Circular 150/5320-12C
ICAO Standard 9137-AN/898 Part 2 Airport Services Manual provides direct measurement of both horizontal friction force and vertical load
The “fifth wheel” assembly driven at critical fixed slip of 13%
Hydraulic raise/lower system
Adjustable test cycle timing
Menu-driven software enables operator to control test parameters
Provides real time vertical load and horizontal tractive force measurements

SYSTEM HARDWARE AND SOFTWARE FEATURES
ASTM Standards E1551 and E2340
ICAO or FAA data presentation
Runway Condition Report (RCR) for military clients

Self-contained continuous friction measuring equipment (CFME) measures friction coefficient (Mu) along the whole length of a pavement section “fifth wheel” mounted two-axis transducer
Self-wetting testing of up to 44,0000 ft (13,400 m) without refilling while providing a water film thickness of 0.04 in (1 mm)
The industry’s largest 325 gallon (1230 liter) aluminum, baffled, built-in water tank

AVAILABLE UPGRADE OPTIONS
Pickup truck is available in two- or four-wheel drive
Integrated runway condition graphics and tower reporting
Texture laser
Differential GPS

Positive displacement water pump and laminar flow water nozzle
Solid state electronics and instrumentation
Easy trim system calibration
Full system diagnostics of transducer, encoders, brakes, and water system